COUNTING ROOM TECHNICIAN JOB PERFORMANCE MEASURE

TASK CODE	: CRT-C06
TASK:	Repair the Gamma Spectroscopy System
NAME:	SSN:
1. 2. 3.	Canberra Germanium Detectors User's Manual Canberra Genie - ESP User's Manual WP 12-RL1330, Gamma Spectral System Operation
	OBJECTIVE: e gamma spectroscopy system will not calibrate or is not operating correctly, repair the gamma copy system.
	NCES OF INADEQUATE PERFORMANCE: analysis results at damage
HAZARDS (P	PERSONNEL/EQUIPMENT STATUS):
PRE-REQUIS 1. 2.	SITE TRAINING/ TASK COMPLETION: CF 3.00 Series CRT-C03, Calibrate the Gamma Spectroscopy System
	ENT (MATERIALS REQUIRED): Spare components

- Spare components
- 2. Spare cables and connectors
- 3. Service Contract
- System Logbook

Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to JPM Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

KNOWLEDGE REQUIREMENTS:

Reference	Knowledge Requirement	Pass/Fail
2	State the reasons for troubleshooting a counting system.	
2	State the limitations and restrictions associated with the service contract.	
2	Discuss the indications of a problem with the counting system electronics.	
1	Discuss the indications of a problem with the counting system detector.	
2	Describe the effects of a bad cable or connector.	
2	Describe the possible indications of a problem with an electronic component.	
1	Describe the effect on a counting system if power is lost during operations.	
2	State what actions would invalidate a current counting system calibration.	
2	Describe the types of information that would be communicated to the service representative.	
3	Discuss how a counting system is known to be repaired.	
2	Discuss how to verify power is available to a counting system.	

PERFORMANCE REQUIREMENTS:

Reference	Performance Requirement	Pass/Fail
2	Verify power is available to the counting system.#	
2	Verify correct switch positions for the desired counting application.#	
3	Invalidate the current counting system calibration.#	

2	Perform a visual inspection of the cable and connectors.#	
Reference	Performance Requirement	Pass/Fail
2	Change out a cable and connectors.#	
2	Verify counting system components are configured correctly.#	
2	Perform a visual inspection of the internal counting system components.#	
2	Change out a counting system component.#	
1	Change out a counting detector.#	
1,2	Coordinate with the service representative troubleshooting activities.#	
3	Document all actions taken in the system logbook.#	
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indicates a critical step

FINAL EVALUATION:	PASS	FAIL
COMMENTS:		
EVALUATOR SIGNATURE:		DATE:
TRAINEE SIGNATURE:		DATE:
MANAGER SIGNATURE:		DATE: